

REMARKS

In the Office Action dated July 26, 2005, the Examiner objected to the drawings, objected to the title, objected to claims 1 and 3, rejected claims 1 and 2 under 35 USC 102 as anticipated by Pederson (US Patent No. 6,798,240), objected to claims 3-15 as allowable if rewritten in independent form, and allowed claims 16-24. In response thereto, the Applicants have amended the title, amended claims 1 and 3, and cancelled claim 2. Claims 1 and 3 through 24 remain at issue.

Telephone Conference Summary

The attorney for the Applicants wishes to thank the Examiner for the telephone conference interview on October 25, 2005. During the conference call, the Examiner agreed to waive the requirement that the case would be held in abeyance if formal drawings were not submitted with the current Amendment. The attorney for the Applicant agreed to have new formal drawings prepared immediately and submitted to the USPTO as soon as possible.

Amendment to the Title

The Applicants have amended the title to OMNIBUS LOGIC ELEMENT INCLUDING LOOK UP TABLE BASED LOGIC ELEMENTS, as suggested by the Examiner.

Objections to the Claims

The Applicants have amended claims 1 and 3 to correct the minor objections noted by the Examiner.

The Art Rejection

The Applicants have amended claim 1 to include the subject matter of now cancelled claim 2. In the rejection of claim 2, the Examiner indicated that the Pederson reference anticipated the claim. The Applicants strongly disagree. The subject matter of claim 2, now incorporated into claim 1 as amended, is not anticipated by Pederson.

In the rejection, the Examiner states that the Vcc signal (signal 516b) applied to the MUX 595 in Figure 5 of Pederson is "at least a seventh input (Vcc via 516b) of the plurality

of inputs driving a control input of the third MUX." A careful review of Pederson reveals that the Examiner has mischaracterized the actual teachings of the reference with regard to this statement in at least two ways.

The claim clearly recites (i) "a plurality of input signals" are used to drive the plurality of LUTs; and (ii) "*at least a seventh input of the plurality of inputs driving a control input of the third MUX.*" A review of Figure 5 of Pederson indicates that neither of these claimed requirements are taught by the reference. Vcc is a power supply signal that is being used as a data input to the MUX 595 of Pederson. The Vcc signal of Pederson, therefore, is not:

- (i) an input signal used to drive the LUTs 530 or 550. Nowhere in Figure 5 does Pederson show Vcc being applied as an input to the LUTs 530 or 550; or
- (ii) used as a control input to the MUX 595 of Pederson. Again, Vcc in Pederson is used as a data input, not a control or select input, to the MUX 595.

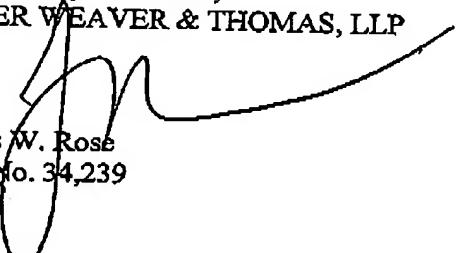
Since neither of these claim limitations are met by the Pederson reference, claim 1 is now allowable.

Although patentable in their own right, claims 3-15 are also allowable based on their dependency on claim 1. As already indicated by the Examiner, claims 16-24 are also allowable.

Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,
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